

## **Appendix A. Plant Species Observed within the Kings Beach BSA**

**Plant Species Observed Within the Kings Beach Biological Study Area (BSA) 2001-2004**

Family	Scientific Name	Common Name	Weedy Plant Status	Wetland Indicator Status <sup>1</sup>
<b>Trees</b>				
Betulaceae	<i>Alnus incana</i> var. <i>tenuifolia</i>	Mountain alder		NI
Cupressaceae	<i>Calocedrus decurrens</i>	Incense cedar		
Fabaceae	<i>Robina pseudoacacia</i>	Black locust	CEPPC	FAC*
Pinaceae	<i>Abies concolor</i>	White fir		
	<i>Pinus contorta</i>	Lodgepole pine		FAC
	<i>Pinus jeffreyi</i>	Jeffrey pine		
	<i>Pinus mugo</i>	Mugo pine		
	<i>Pinus nigra</i>	Austrian pine		
	<i>Pinus ponderosa</i>	Ponderosa pine		FACU
Rosaceae	<i>Prunus cistena</i>	Purple plum		
Salicaceae	<i>Populus alba</i>	White poplar		
	<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>	Black cottonwood		FACW
	<i>Populus tremuloides</i>	Quaking aspen		FAC+
<b>Shrubs</b>				
Asteraceae	<i>Chrysothamnus nauseosus</i>	Rubber rabbitbrush		
Berberidaceae	<i>Berberis aquifolium</i> var. <i>aquifolium</i>	Tall Oregon grape		
Caprifoliaceae	<i>Symphoricarpos mollis</i>	Creeping snowberry		
	<i>Symphoricarpos</i> sp.	Snowberry		
Ericaceae	<i>Arctostaphylos nevadense</i>	Pinemat manzanita		
	<i>Arctostaphylos patula</i>	Greenleaf manzanita		
Fabaceae	<i>Cystisus scoparius</i>	Scotch broom	CDFA (C), PIWTB TBEP, CEPPC	
Fagaceae	<i>Quercus vaccinifolia</i>	Huckleberry oak		
Grossulariaceae	<i>Ribes aureum</i>	Golden currant		FACW

Family	Scientific Name	Common Name	Weedy Plant Status	Wetland Indicator Status <sup>1</sup>
	<i>Ribes nevadense</i>	Sierra currant		
Oleaceae	<i>Syringa vulgaris</i>	Common Lilac		
Rhamnaceae	<i>Ceanothus prostratus</i>	Mahala mat		
Rosaceae	<i>Amelanchier alnifolia</i>	Service-berry		FACU
	<i>Prunus virginiana</i>	Chokecherry		FAC-
	<i>Purshia tridentata</i>	Bitterbrush		
	<i>Rosa woodsii</i>	Woods rose		FAC-
Salicaceae	<i>Salix exigua</i>	Sandbar willow		OBL
	<i>Salix lemmonii</i>	Lemmon's willow		OBL
	<i>Salix scoulerana</i>	Scouler willow		FAC
<b>Herbaceous Plants</b>				
Apiaceae	<i>Osmorhiza occidentalis</i>	Western sweet cicely		
Asteraceae	<i>Achillea fillipendula</i>	Golden yarrow		
	<i>Achillea millefolium</i>	Common yarrow		FACU
	<i>Agoseris</i> sp.	False dandelion		FAC-UPL
	<i>Artemisia douglasiana</i>	Douglas' wormwood		FACW
	<i>Aster occidentalis</i>	Western mountain aster		FAC
	<i>Centaurea diffusa</i>	Diffuse knapweed	CDFA (A), PIWTB,TBEP	
	<i>Chrysanthemum maximum</i>	Shasta daisy		
	<i>Cichorium intybus</i>	Chicory		
	<i>Cirsium vulgare</i>	Bull thistle	PIWTB,CEPPC,TBEP	FACU
	<i>Grindelia squarrosa</i>	Curly-cup gumweed	CWPS	FACU
	<i>Hypochaeris radicata</i>	Spotted cat's ear	CEPPC	
	<i>Lactuca serriola</i>	Prickly lettuce	CWPS	FAC

Family	Scientific Name	Common Name	Weedy Plant Status	Wetland Indicator Status <sup>1</sup>
	<i>Linum lewisii</i>	Blue flax		
	<i>Madia glomerata</i>	Mountain tar-weed		FACU-
	<i>Solidago</i> sp.	Goldenrod		FACU-FACW
	<i>Taraxacum officinale</i>	Common dandelion	TBEP	FACU
	<i>Tragopogon dubius</i>	Goatsbeard	CWPS	
	<i>Wyethia mollis</i>	Wooly mulesears		
Brassicaceae	<i>Arabis</i> sp.	Rockcress		
	<i>Brassica</i> sp.	Mustard	CWPS	
	<i>Draba verna</i>	Annual draba		
	<i>Lepidium virginicum</i>	Virginia pepper-grass	CWPS	FACU
	<i>Rorippa curvisiliqua</i>	Yellow cress		OBL
	<i>Sisymbrium altissimum</i>	Tumblemustard	TBEP	FACU
Caryophyllaceae	<i>Saponaria officinalis</i>	Bouncingbet	CEPPC	FACU
Cyperaceae	<i>Carex</i> sp.	Sedge		UPL-OBL
	<i>Eleocharis</i> sp.	Spike rush		OBL
	<i>Scirpus microcarpus</i>	Small-fruit bulrush		OBL
Fabaceae	<i>Lathyrus latifolius</i>	Perennial sweet pea		
	<i>Lotus purshianus</i>	Spanish clover		
	<i>Lupinus</i> sp.	Lupine		
	<i>Melilotus alba</i>	White sweetclover	CWPS	FACU+
	<i>Trifolium</i> sp.	Clover		FAC-OBL
Geraniaceae	<i>Erodium cicutarium</i>	Filaree	CWPS	
Hydrophyllaceae	<i>Phacelia</i> sp.	Phacilia		FAC-FACW
Juncaceae	<i>Juncus balticus</i>	Baltic rush		OBL
	<i>Juncas</i> sp.	Annual rush		FAC-OBL
Lamiaceae	<i>Stachys</i> sp.	Hedgenettle		OBL-FACW
Liliaceae	<i>Hemerocallis</i> sp.	Daylilies		
	<i>Hyacinthus</i>	Dutch hyacinth		

Family	Scientific Name	Common Name	Weedy Plant Status	Wetland Indicator Status <sup>1</sup>
	<i>orientalis</i>			
	<i>Muscari armeniacum</i>	Grape hyacinth		
	<i>Narcissus</i> sp.	Daffodil		
	<i>Tulipa</i> sp.	Tulip		
Monotropaceae	<i>Pterospora andromedea</i>	Pinedrops		
Onagraceae	<i>Epilobium</i> sp.	Willowherb		FACU-OBL
Plantaginaceae	<i>Plantago lanceolata</i>	Narrowleaf plantain	TBEP	FAC-
Poaceae	<i>Agropyron</i> sp.	Wheatgrass		NI-FACU
	<i>Agrostis</i> sp.	Bentgrass		FAC-OBL
	<i>Agrostis stolonifera</i>	Spreading bentgrass		FACW
	<i>Bromus carinatus</i> var. <i>carinatus</i>	California brome		
	<i>Bromus tectorum</i>	Cheatgrass	CEPPC	
	<i>Dactylis glomerata</i>	Orchard grass		FACU
	<i>Elymus trachycaulus</i> ssp. <i>trachycaulus</i>	Slender wheatgrass		NI
	<i>Festuca</i> sp.	Fescue		?
	<i>Festuca ovina</i>	Sheep fescue		
	<i>Hordeum brachyantherum</i>	Meadow barley		FACW
	<i>Leymus triticoides</i>	Creeping wildrye		FAC+
	<i>Phleum pratense</i>	Timothy		FACU
	<i>Poa</i> sp.	Bluegrass		?
	<i>Poa palustris</i>	Fowl bluegrass	TBEP	
	<i>Poa pratensis</i>	Kentucky bluegrass	TBEP	FACU
Polygonaceae	<i>Eriogonum</i> sp.	Perennial buckwheat		
	<i>Eriogonum nudum</i>	Naked-stemmed eriogonum		
	<i>Polygonum arenastrum</i>	Prostrate knotweed	CWPS	FAC

Family	Scientific Name	Common Name	Weedy Plant Status	Wetland Indicator Status <sup>1</sup>
	<i>Rumex crispus</i>	Curly dock		FACW-
Rosaceae	<i>Calyptidium umbellatum</i>	Pussypaws		
	<i>Fragaria virginiana</i>	Wild strawberry		FAC
	<i>Potentilla glandulosa</i>	Sticky cinquefoil		FAC
	<i>Potentilla gracilis</i>	Northwest cinquefoil		FACW
Scrophulariaceae	<i>Mimulus guttatus</i>	Yellow monkeyflower		OBL
	<i>Penstemon</i> sp.	Beardtongue		
	<i>Verbascum thapsus</i>	Common mullein	CEPPC, TBEP	

**Acronym Codes:**

CDFA: California Noxious Weed Species

CEPPC: California Exotic Pest Plant

CWPS: Common Weedy Plant Species'

TBEP: Tahoe Basin Exotic Plant Species

PIWTB: Priority Invasive Weeds of the Tahoe Basin

<sup>1</sup>

USFWS Wetland Indicator Codes for California (Region O)

- OBL: Obligate wetland plants - Plants that occur almost always (estimated probability > 99%) in wetlands under natural conditions.
- FACW: Facultative wetland plants - Plants that occur usually (estimated probability > 67 to 99%) in wetlands, but also occur (estimated probability 1 to 33%) in nonwetlands
- FAC: Facultative plants - Plants with a similar likelihood (estimated probability 33 to 67%) of occurring in both wetlands and nonwetlands.
- FACU: Facultative upland plants - Plants that occur sometimes (estimated probability 1 to 33%) in wetlands, but occur more often (estimated probability > 67 to 99%) in non wetlands
- NI: No indicator - Insufficient information available to determine an indicator status.
- ?: Unable to determine plant species, therefore wetland indicator rating unknown.
- Blank space: Any species noted without a wetland indicator rating is assumed to be an upland plant species.

## **Appendix B. Wildlife Species Observed within the Kings Beach BSA**

**Wildlife Species Observed within the Kings Beach Biological Study Area (BSA)  
April, May, and July, 2001; June and September 2002; and October 2004**

COMMON NAME	SCIENTIFIC NAME	STATUS
<b>Mammals</b>		
Western Gray Squirrel	<i>Sciurus griseus</i>	
Fish		
Brook Trout	<i>Salvelinus fontinalis</i>	TRPA (MI)
Reptiles		
Western Terrestrial Garter Snake	<i>Thamnophis elegans</i>	
<b>Birds<sup>3</sup></b>		
American Robin	<i>Turdus migratorius</i>	
Barn Swallow	<i>Hirundo rustica</i>	
Brewer's Blackbird	<i>Euphagus cyanocephalus</i>	
Brown Creeper	<i>Certhia americana</i>	
Brown-headed Cowbird	<i>Molothrus ater</i>	
California Gull <sup>2</sup>	<i>Larus californicus</i>	TRPA (SI)
Canada Goose <sup>2</sup>	<i>Branta canadensis</i>	TRPA (SI)
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>	
Common Loon	<i>Gavia immer</i>	
Common Merganser <sup>2</sup>	<i>Mergus merganser</i>	TRPA (SI)
Common Raven	<i>Corvus corax</i>	
Dark-eyed Junco	<i>Junco hyemalis</i>	
European Starling <sup>4</sup>	<i>Sturnus vulgaris</i>	
Evening Grosbeak	<i>Coccothraustes vespertinus</i>	
Fox Sparrow	<i>Passerella iliaca</i>	
MacGillivray's Warbler	<i>Oporornis tolmiei</i>	
Mallard <sup>2</sup>	<i>Anas platyrhynchos</i>	TRPA (SI), LTBMU (MI)
Mourning Dove	<i>Zenaida macroura</i>	
Mountain Chickadee	<i>Poecile gambeli</i>	
Northern Flicker	<i>Colaptes auratus</i>	
Osprey	<i>Pandion haliaetus</i>	TRPA (SI)
Pygmy Nuthatch	<i>Sitta pygmaea</i>	
Red-tailed Hawk	<i>Buteo jamaicensis</i>	
Red-breasted Nuthatch	<i>Sitta canadensis</i>	
Red-breasted Sapsucker	<i>Sphyrapicus rubber</i>	
Ruby-crowned Kinglet	<i>Regulus calendula</i>	
Savannah Sparrow	<i>Passerculus sandwichensis</i>	
Song Sparrow	<i>Melospiza melodia</i>	
Spotted Towhee	<i>Pipilo maculatus</i>	
Steller's Jay	<i>Cyanocitta stelleri</i>	
Townsend's Solitaire	<i>Myadestes townsendi</i>	



COMMON NAME	SCIENTIFIC NAME	STATUS
Warbling Vireo	<i>Vireo gilvus</i>	
Western Meadowlark	<i>Sturnella neglecta</i>	
Western Tanager	<i>Piranga ludoviciana</i>	
Western Wood-pewee	<i>Contopus sordidulus</i>	
White-breasted Nuthatch	<i>Sitta carolinensis</i>	
White-headed Woodpecker	<i>Picoides albolarvatus</i>	
Wilson's Warbler	<i>Wilsonia pusilla</i>	
Yellow-rumped Warbler	<i>Dendroica coronata</i>	

<sup>1</sup>**Status Codes:**

- FWS (US Fish and Wildlife Service): T – Threatened Species, E – Endangered Species, C - Candidate Species, and SC - Species of Concern
- LTBMU (Lake Tahoe Basin Management Unit): MIS - Management Indicator Species and S - Sensitive Species
- CDFG (California Department of Fish and Game): E – Endangered, FP – Fully Protected, CSC – Special Concern Species

1. TRPA(Tahoe Regional Planning Agency): SI - Special Interest Species

<sup>2</sup>**Waterfowl:** Defined by TRPA as birds of the family Anatidae (ducks), Pelecanidae (pelicans), Ardeidae (herons), Rallidae (rails), Laridae (gulls), Charadriidae (plovers), Scolopacidae (snipes) and Phalaropodidae (cormorants)

<sup>3</sup>**Migratory Birds:** As defined by the Migratory Bird Treaty Act (MBTA) 1918 as amended

<sup>4</sup>**Non-migratory Birds:** Birds not protected under the MBTA

## **Appendix C. Kings Beach Photographs**



**Element 1:** APN 090-064-027. View north of proposed angled parking on east side of Secline Street. Note presence of LSOG to right in photo. October 5, 2004.



**Element 1:** APNs 090-064-027 and 090-064-026. View west of proposed angled parking on north side of Rainbow Avenue. Note presence of LSOG approximately 4 to 12 feet from edge of pavement. October 5, 2004.



**Element 3:** APN 090-122-030. View northwest from intersection of Coon Street and Brook Avenue of off-street parking area with condemned structure. April 30, 2001



**Element 4:** APN 090-126-017. Proposed off-street parking located at northeast corner of Salmon Avenue and Coon Street with at least one LSOG Jeffrey pine. August 2002.





**Element 5:** APN 090-126-020. View north of proposed off-street parking area with bare soil and LSOG to left. April 30, 2001.



**Element 6:** APN 090-133-008. View southeast of off-street parking area (west half of parcel) with dwelling and LSOG present. May 1, 2001.



**Element 6:** APN 090-133-009. View southeast of off-street parking area (east half of parcel) with LSOG present and bare soil. May 1, 2001.



**Element 7:** APNs 090-221-013, 090-221-014 and 090-221-020. View south of proposed off-street parking area with defunct auto repair garage. May 1, 2001.





**Element 8:** APN 090-192-030. View south of proposed off-street parking area with mixed conifer/montane chaparral present. May 1, 2001.



**Element 9:** APN 090-133-007. View southeast of off-street parking area (east half of parcel) with LSOG incense-cedar present. May 1, 2001.



**Element 9:** APN 090-133-006. View south of proposed off-street parking area (west half of parcel) with dwelling and LSOG Jeffrey pine present. April 30, 2001.



**Element 10:** ROW: View west from intersection of Coon Street and Brook Avenue of proposed angled parking with paved road and bare soil road shoulder along Brook Avenue. April 30, 2001.





**Element 11:** APN 090-071-017, 090-171-080 and 090-071-034. View north of proposed off-street parking area (west half) with LSOG Jeffrey pine present. May 1, 2001.



**Element 14:** APN 090-134-042. View southeast of proposed off-street parking area with LSOG Jeffrey pine present. May 1, 2001.



**Element 15:** APN 090-134-007. View south of proposed off-street parking area with LSOG Jeffrey pine present. May 1, 2001.



**Element 17:** APN 090-134-008. View south of proposed off-street parking area. September 2002.





**Element 18:** APN 090-134-006. View south of proposed off street parking area currently used for a commercial business on south side of State Route 28. September 2002.



**Element 19:** ROW. View south of proposed angled parking on east side of Deer Street. Note presence of rock-lined ditch as potential WOUS. October 5, 2004.



**Element 20:** ROW. View south of proposed parallel parking on west side of Deer Street. October 5, 2004.



**Element 21A:** ROW. View north of proposed parallel parking on north side of Trout Avenue. October 5, 2004.





**Element 21B:** ROW. View north of proposed parallel parking on north side of Trout Avenue. October 5, 2004.



**Element 21C:** ROW. View east of proposed parallel parking on north side of Trout Avenue. Note presence of LSOG Jeffrey pine trees. October 5, 2004.



**Element 21C:** ROW. View north of proposed parallel parking on north side of Trout Avenue. Note presence of drainage ditch to right of building (potential WOUS) that conveys water south under roadway. October 5, 2004.



**Element 21D:** ROW. View north of proposed parallel parking on north side of Trout Avenue. Note Presence of LSOG Jeffrey pine within 15 feet of roadway. October 5, 2004.





**Element 21E:** ROW. View north of proposed parallel parking on north side of Trout Avenue. Note Presence of LSOG Jeffrey pine within 15 feet of roadway. October 5, 2004.



**Element 21F:** ROW. View north of proposed parallel parking on north side of Trout Avenue. October 5, 2004.

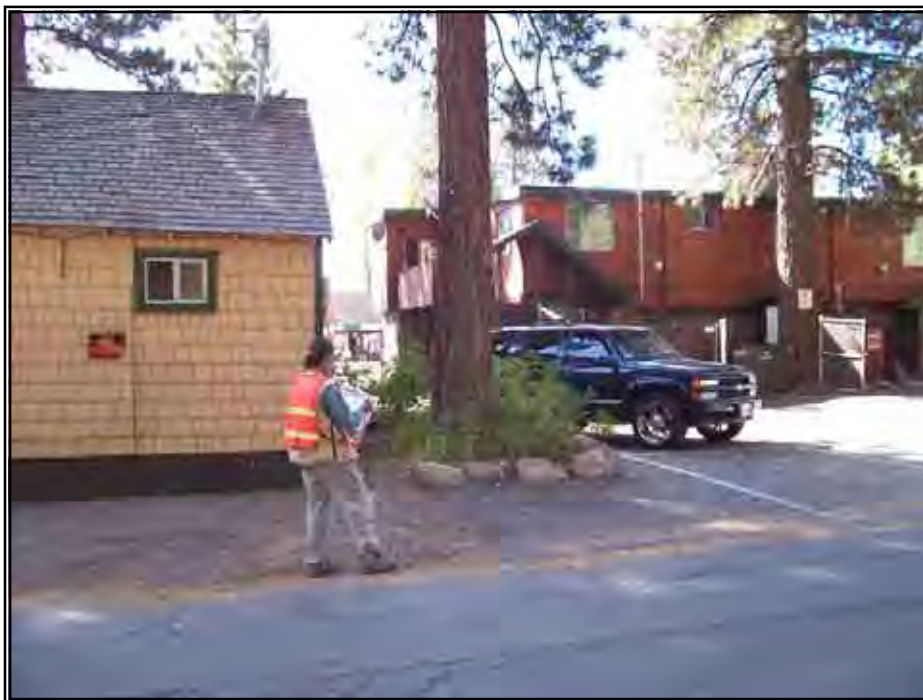


**Element 21G:** ROW. View north of proposed parallel parking on north side of Trout Avenue. October 5, 2004.



**Element 22A:** ROW. View west of proposed parallel parking on south side of Trout Avenue. Note presence of LSOG Jeffrey pine trees, within 12 to 16 feet of roadway. October 5, 2004.





**Element 22B:** ROW. View south of proposed parallel parking on south side of Trout Avenue. Note presence of LSOG Ponderosa pine (hazard tree) within 15 feet of roadway. October 5, 2004.



**Element 22C:** ROW. View west of proposed parallel parking on south side of Trout Avenue. Note presence of riparian vegetation indicating the presence of a rock-lined ditch, a potential WOUS. October 5, 2004.



**Element 22C:** ROW. View east of proposed parallel parking on south side of Trout Avenue. Note presence of LSOG Jeffrey and Ponderosa pine trees within 9 to 11.5 feet of roadway. October 5, 2004.



**Element 22D:** ROW. View west of proposed parallel parking on south side of Trout Avenue. October 5, 2004.

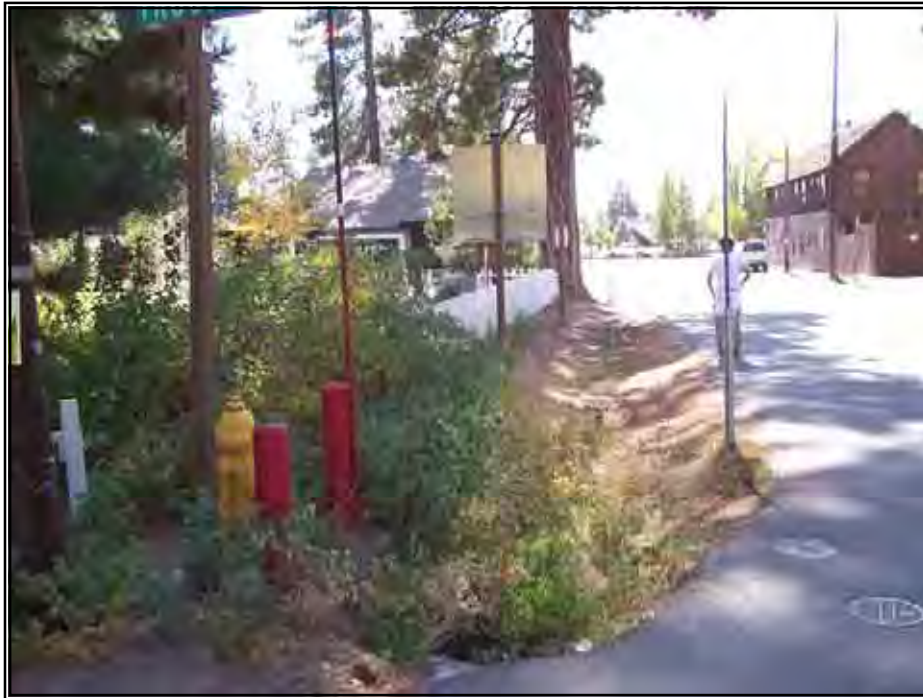




**Element 22E:** ROW. View south of proposed parallel parking on south side of Trout Avenue. October 5, 2004.



**Element 23:** ROW. View north of proposed ditch lining and revegetation on east side of Bear Street. Note presence of LSOG Ponderosa pine within 2 feet of roadway. October 5, 2004.



**Element 23:** ROW. View south of proposed ditch lining and revegetation on east side of Bear Street. Note presence of drainage ditch as potential WOVS. October 5, 2004.



**Element 23:** APN 090-122-001. View southeast of proposed off-street parking on southeast corner of Bear Street and Trout Avenue. Note that LSOs are present on this parcel. October 5, 2004.





**Element 24:** ROW. View east of proposed parallel parking on north side of Trout Avenue. October 5, 2004.



**Element 25:** APNs 090-122-035, 090-122-036 and 090-122-023. View south of proposed off-street parking area. Some weedy plants and LSOG present. September 2002.



**Element 26:** ROW. View west of proposed parallel parking on north side of Trout Avenue. Note presence of drainage ditch as potential WOUS. October 5, 2004



**Element 26:** ROW. View north of proposed parallel parking on west side of Coon Street. Note presence of drainage ditch as potential WOUS and LSOG within 10 feet of roadway. October 5, 2004.





**Element 27:** ROW. View north of proposed angled parking on west side of Coon Street. Note presence of drainage ditch as potential WOUS and LSOG Ponderosa pine within 16 feet of roadway. October 5, 2004.



**Element 28:** ROW. View north of proposed parallel parking on east side of Coon Street. Observed presence of a Lake Tahoe Basin Priority 2 weed species, bull thistle. October 5, 2004.



**Element 29A:** ROW. View north of proposed parallel parking on north side of Salmon Avenue. October 5, 2004.



**Element 29B:** ROW. View north of proposed parallel parking on north side of Salmon Avenue. October 5, 2004.





**Element 29C:** ROW. View north of proposed parallel parking on north side of Salmon Avenue. October 5, 2004.



**Element 29D:** ROW. View north of proposed parallel parking on north side of Salmon Avenue. Note presence of LSOG Ponderosa pine within 6 feet of roadway. October 5, 2004.



**Element 29E:** ROW. View north of proposed parallel parking on north side of Salmon Avenue. Note presence of LSOG Jeffrey pine within 7 feet of roadway. October 5, 2004.



**Element 29F:** ROW. View north of proposed parallel parking on north side of Salmon Avenue. Note presence of LSOG Ponderosa pine within 7.5 feet of roadway. October 5, 2004.





**Element 29G:** ROW. View north of proposed parallel parking on north side of Salmon Avenue. October 5, 2004.



**Element 30:** ROW. View south of proposed angled parking on west side of Fox Street. Note presence of LSOG Jeffrey and Ponderosa pines within 3 to 4 feet of roadway. October 5, 2004.



**Element 31A:** ROW. View south of proposed parallel parking on south side of Salmon Avenue. October 5, 2004



**Element 31B:** ROW. View south of proposed parallel parking on south side of Salmon Avenue. Note presence of LSOG ponderosa pine within 2 feet of roadway. October 5, 2004.





**Element 31C:** ROW. View south of proposed parallel parking on south side of Salmon Avenue. October 5, 2004.



**Element 31D:** ROW. View south of proposed parallel parking on south side of Salmon Avenue. October 5, 2004.



**Element 31E:** ROW. View south of proposed parallel parking on south side of Salmon Avenue. Note presence of utility access vaults in this paved area. October 5, 2004.



**Element 31F:** ROW. View south of proposed parallel parking on south side of Salmon Avenue. Note presence of LSOG Jeffrey pine within 8 feet of roadway and drainage ditch as potential WOUS. October 5, 2004.



**Element 32:** APN 090-192-025. View north of proposed off-street parking on north side of State Route 28 at the North Shore Lodge. Note presence of several LSOG Jeffrey pine trees and ditch (below right) as potential WOUS. October 5, 2004.



**Element 32:** APN 090-192-025. View on northeast side North Shore Lodge. Note presence of several LSOG Jeffrey pine trees and ditch (potential WOUS). October 5, 2004.





**Element 33A:** ROW. View north of proposed parallel parking on east side of Chipmunk Street. Note presence of rock-lined drainage ditch as potential WOUS. October 5, 2004.



**Element 33B:** ROW. View east of proposed parallel parking on east side of Chipmunk Street. Note presence of rock-lined drainage ditch as potential WOUS. October 5, 2004.





**Element 33C:** ROW. View south of proposed parallel parking on east side of Chipmunk Street. Note presence of rock-lined drainage ditch as potential WOUS. October 5, 2004



**Element 33D:** ROW. View north of proposed parallel parking on east side of Chipmunk Street. Note presence of rock-lined drainage ditch as potential WOUS and LSOG Jeffrey pine trees within 12.5 to 15.5 feet of roadway. October 5, 2004.



**Element 33E:** ROW. View north of proposed parallel parking on east side of Chipmunk Street. Note presence of rock-lined drainage ditch as potential WOUS. October 5, 2004



**Element 34:** ROW. View south of proposed ditch lining and revegetation on east side of Deer Street. Note presence of LSOG Jeffrey and Ponderosa pine trees. October 5, 2004.





**Element 35:** ROW. View south of proposed ditch lining and revegetation on west side of Bear Street. October 5, 2004



Typical Kings Beach residential landscape utilizing existing conifers and pine needle duff. April 30, 2001.





Park used native materials, Jeffrey pine and white fir as basis of landscape design. May 1, 2001.



Another example of naturalized landscaping utilizing native vegetation and horticultural varieties. May 1, 2001.



Typical public beach habitat encountered during Tahoe yellow cress survey west of Coon Street. July 20, 2001.



Griff Creek culvert at SR 28. View downstream from containment pond located upstream of SR 28. April 27, 2001.



View upstream from mouth of Griff Creek. Banks vegetated with willow-alder shrub community. April 2001.



**Appendix D. Regional Species of Concern Consultation  
California Natural Diversity Database  
U.S. Fish and Wildlife Service**



## United States Department of the Interior

## FISH AND WILDLIFE SERVICE

Sacramento Fish and Wildlife Office  
2800 Cottage Way, Room W-2605  
Sacramento, California 95825



January 17, 2006

Document Number: 060117101646

Nancy Bish  
MACTEC Engineering and Consulting, Inc.  
1572 East College Parkway, Suite 162  
Carson City, NV 89706

Subject: Species List for Kings Beach Commercial Core Improvement Project

Dear Ms. Bish

We are sending this official species list in response to your January 17, 2006 request for information about endangered and threatened species. The list covers the California counties and/or U.S. Geological Survey 7½ minute quad or quads you requested. You have stated that this list is for consultation with the Fish & Wildlife Service.

Our database was developed primarily to assist Federal agencies that are consulting with us. Therefore, our lists include all of the sensitive species that have been found in a certain area *and also ones that may be affected by projects in the area*. For example, a fish may be on the list for a quad if it lives somewhere downstream from that quad. Birds are included even if they only migrate through an area. In other words, we include all of the species we want people to consider when they do something that affects the environment.

Please read Important Information About Your Species List (below). It explains how we made the list and describes your responsibilities under the Endangered Species Act.

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed, candidate and special concern species in your planning, this should not be a problem. However, we recommend that you get an updated list every 90 days. That would be April 17, 2006.

Please contact us if your project may affect endangered or threatened species or if you have any questions about the attached list or your responsibilities under the Endangered Species Act. A list of Endangered Species Program contacts can be found at [www.fws.gov/sacramento/es/branches.htm](http://www.fws.gov/sacramento/es/branches.htm)

Endangered Species Division





Document Number: 060117102709

(E) *Endangered* - Listed (in the Federal Register) as being in danger of extinction.  
(T) *Threatened* - Listed as likely to become endangered within the foreseeable future.  
(P) *Proposed* - Officially proposed (in the Federal Register) for listing as endangered or threatened.  
(NMFS) Species under the Jurisdiction of the National Marine Fisheries Service. Consult with them directly about these species.  
*Critical Habitat* - Area essential to the conservation of a species.  
(PX) *Proposed Critical Habitat* - The species is already listed. Critical habitat is being proposed for it.

(C) *Candidate* - Candidate to become a proposed species.

(CA) Listed by the State of California but not by the Fish & Wildlife Service.

(D) *Delisted* - Species will be monitored for 5 years.

(SC) *Species of Concern*/(SLC) *Species of Local Concern* - Other species of concern to the Sacramento Fish & Wildlife Office.

(X) *Critical Habitat* designated for this species

## Important Information About Your Species List

### How We Make Species Lists

We store information about endangered and threatened species lists by U.S. Geological Survey 7½ minute quads. The United States is divided into these quads, which are about the size of San Francisco.

The animals on your species list are ones that occur within, or may be affected by projects within, the quads covered by the list.

- Fish and other aquatic species appear on your list if they are in the same watershed as your quad or if water use in your quad might affect them.
- Birds are shown regardless of whether they are resident or migratory. Relevant birds on the county list should be considered regardless of whether they appear on a quad list.

### Plants

Any plants on your list are ones that have actually been observed in the quad or quads covered by the list. Plants may exist in an area without ever having been detected there. You can find out what's in the nine surrounding quads through the California Native Plant Society's online [Inventory of Rare and Endangered Plants](#).

### Surveying

Some of the species on your list may not be affected by your project. A trained biologist or botanist, familiar with the habitat requirements of the species on your list, should determine whether they or habitats suitable for them may be affected by your project. We recommend that your surveys include any proposed and candidate species on your list.

For plant surveys, we recommend using the [Guidelines for Conducting and Reporting Botanical Inventories](#). The results of your surveys should be published in any environmental documents prepared for your project.

### State-Listed Species

If a species has been listed as threatened or endangered by the State of California, but not by us nor by the National Marine Fisheries Service, it will appear on your list as a Species of Concern. However you should contact the California Department of Fish and Game Wildlife and Habitat Data Analysis Branch for official information about these species.

### Your Responsibilities Under the Endangered Species Act

All plants and animals identified as listed above are fully protected under the Endangered Species Act of 1973, as amended. Section 9 of the Act and its implementing regulations prohibit the take of a federally listed wildlife species. Take is defined by the Act as "to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect" any such animal.

Take may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding, or shelter (50 CFR §17.3).

### Take incidental to an otherwise lawful activity may be authorized by one of two procedures:

- If a Federal agency is involved with the permitting, funding, or carrying out of a project that may result in take, then that agency must engage in a formal consultation with the Service.

During formal consultation, the Federal agency, the applicant and the Service work together to avoid or minimize the impact on listed species and their habitat. Such consultation would result in a biological opinion by the Service addressing the anticipated effect of the project on listed and proposed species. The

opinion may authorize a limited level of incidental take.

- If no Federal agency is involved with the project, and federally listed species may be taken as part of the project, then you, the applicant, should apply for an incidental take permit. The Service may issue such a permit if you submit a satisfactory conservation plan for the species that would be affected by your project. Should your survey determine that federally listed or proposed species occur in the area and are likely to be affected by the project, we recommend that you work with this office and the California Department of Fish and Game to develop a plan that minimizes the project's direct and indirect impacts to listed species and compensates for project-related loss of habitat. You should include the plan in any environmental documents you file.

## Critical Habitat

When a species is listed as endangered or threatened, areas of habitat considered essential to its conservation may be designated as critical habitat. These areas may require special management considerations or protection. They provide needed space for growth and normal behavior; food, water, air, light, other nutritional or physiological requirements; cover or shelter; and sites for breeding, reproduction, rearing of offspring, germination or seed dispersal.

Although critical habitat may be designated on private or State lands, activities on these lands are not restricted unless there is Federal involvement in the activities or direct harm to listed wildlife.

If any species has proposed or designated critical habitat within a quad, there will be a separate line for this on the species list. Boundary descriptions of the critical habitat may be found in the Federal Register. The information is also reprinted in the Code of Federal Regulations (50 CFR 17.95). See our critical habitat page for maps.

## Candidate Species

We recommend that you address impacts to candidate species. We put plants and animals on our candidate list when we have enough scientific information to eventually propose them for listing as threatened or endangered. By considering these species early in your planning process you may be able to avoid the problems that could develop if one of these candidates was listed before the end of your project.

## Species of Concern

Your list may contain a section called Species of Concern. This is an informal term that refers to those species that the Sacramento Fish and Wildlife Office believes might be in need of concentrated conservation actions. Such conservation actions vary depending on the health of the populations and degree and types of threats. At one extreme, there may only need to be periodic monitoring of populations and threats to the species and its habitat. At the other extreme, a species may need to be listed as a Federal threatened or endangered species. Species of concern receive no legal protection and the use of the term does not necessarily mean that the species will eventually be proposed for listing as a threatened or endangered species.

## Wetlands

If your project will impact wetlands, riparian habitat, or other jurisdictional waters as defined by section 404 of the Clean Water Act and/or section 10 of the Rivers and Harbors Act, you will need to obtain a permit from the U.S. Army Corps of Engineers. Impacts to wetland habitats require site specific mitigation and monitoring. For questions regarding wetlands, please contact Mark Littlefield of this office at (916) 414-6580.

## Updates

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed, candidate and special concern species in your planning, this should not be a problem. However, we recommend that you get an updated list every 90 days. In this case, that would be April 17, 2006.



## **Appendix E. Corps Verification Letter**



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
U.S. ARMY ENGINEER DISTRICT, SACRAMENTO  
CORPS OF ENGINEERS  
1325 J STREET  
SACRAMENTO, CALIFORNIA 95814-2922

June 7, 2002

Regulatory Branch (200225054)

Timothy Kiser  
DeWitt Center  
Placer County Department of Public Works  
11444 B Avenue  
Auburn, California 95603-2603

Dear Mr. Kiser:

The U.S. Army Corps of Engineers (Corps) has reviewed the "Kings Beach Commercial Core Improvement Project, Placer County, California, Wetland delineation and Waters of the U.S. Inventory", prepared by Harding ESE, dated August 6, 2001. The delineation was conducted within a portion of Sections 13 and 19, Township 16 North, Range 17 East, M.D.B. & M.

The Corps concurs with your consultants determination that the surveyed area supports Griff Creek and two unnamed intermittent drainage, which are tributary to Lake Tahoe; and 0.146 acres of wetlands adjacent to Griff Creek. A vicinity map, labelled "Figure 1", and delineation maps labelled "Figure 2", sheets 1-3, are enclosed.

The Corps' jurisdiction in this area is under Section 404 of the Clean Water Act. A Department of the Army permit is required prior to discharging dredged or fill materials into waters of the United States. Discharge of dredged material includes but is not limited to any addition, including redeposit, of dredged material, including excavated material, into the waters of the United States which is incidental to any activity including mechanized land clearing, ditching, channelization, or other excavation. Accordingly, a permit will be required prior to filling any of the waters present on the Kings Beach Commercial Core Improvements property. The type of permit required will depend on the type and amount of waters which would be lost or adversely modified by fill activities.

This verification is valid for five years from the date of this letter unless new information warrants revision of the determination before the expiration date. Please refer to Corps number 200225054 in any correspondence concerning this project. A Notification of Administrative Appeal Options and Process and Request for Appeal is enclosed for reference. If you have any questions, please write Shelly Carter, Nevada Office, C. Clifton Young Federal Building, 300 Booth Street, Room 2103, Reno, Nevada 89509, telephone (775) 784-5304, FAX (775) 784-5306.

Sincerely,

**ORIGINAL  
SIGNED BY**

Richard Gebhart  
Chief, Nevada Office  
Regulatory Branch

Enclosures

Copy furnished: w/o enclosures

Harding ESE, Attention: Jacquelyn Picciani, 1572 E. College Parkway, Suite 162, Carson City, Nevada 89706



## **Appendix F. Kings Beach Tree Inventory Report**

**TREE INVENTORY REPORT**

**KINGS BEACH**

**COMMERCIAL CORE IMPROVEMENT PROJECT**

**PLACER COUNTY, CALIFORNIA**

**Prepared For:**

**Placer County Department of Public Works**  
Mr. Dan LaPlante, Assistant Engineer  
Pioneer Commerce Center  
10825 Pioneer Trail, Suite 105  
Truckee, California 96161

**Prepared by:**



**December 2005**

## **1.0 Introduction**

A tree inventory was conducted within the Kings Beach Commercial Core Improvement Project (CCIP) area during September 2005. The purpose of the inventory was to identify those conifers within the CCIP area with the potential to be impacted by on- and off-street parking and right-of-way drainage elements, hereafter referred to as project elements. Upon review of the trees identified for potential impacts, Placer County developed parking lot designs and a final tree impact assessment was made. This report illustrates project element designs and locations, and those trees that would be impacted by the implementation of these project elements.

## **2.0 Data Collection**

Tree inventory data collected included:

- Genus and species.
- Diameter at breast height (dbh): measured in inches at 4.5 feet above the soil surface using a dbh tape. If on unlevel ground dbh was measured from the soil surface on the uphill side of the tree.
- Height: measured in feet using a clinometer to determine percent slope to the top of the tree, while standing 100 feet from the base of tree. Tree heights were calculated when the percent slope was measured at less than 100 feet from the base of the tree.
- Location: individual tree locations were determined by the use of conventional survey methods with an accuracy of +/- 0.5 foot.
- Condition: observations regarding individual tree overall health, vigor and potential as a hazard were assessed. A tree's general condition was determined by evidence of pitching (beetles), disease, dead or broken limbs, soundness, leaning, exposed roots, percentage of live growth, etc. Trees were rated as 1=excellent, 2=good, 3=poor and 4=dead.



### 3.0 Inventory Results

This report identifies, by project element, those conifers inventoried within the Kings Beach CCIP and documents each tree by species, dbh, height, condition, and location. Figure 1 illustrates the location of each proposed project element. Parking lot designs and tree locations within the project elements are illustrated on Element Sheets 1 to 29. Tree locations are indicated by a colored dot (dbh indicator) and an adjacent tree survey code (i.e. PIPO). Tree dbh indicators and tree size ranges are defined in Table 1.

**Table 1 Tree dbh Size Range and Color Codes**

Size Range Color	Size Range
Black	0.0 – 5.9"
Orange	6.0 – 11.9"
Green	12 – 17.9"
Cyan	18.0 – 23.9"
Blue	24.0 – 28.9"
Magenta	29.0" (LSOG)

Tree survey codes are included on each project element table. In addition, the project element tables provide the common name of the trees surveyed, dbh, height, their condition, whether the tree is defined as a late seral/old growth (LSOG), and if the tree is identified to be removed (cut) for development of the proposed project element. No comment in the cut/save table column indicates the tree will be retained. For the purpose of this project all trees equal to or greater than 29" dbh are defined as LSOGs. All trees identified to be cut are indicated on the project element sheets by a circle around the dbh indicator.

## 4.0 Summary

The results of the Kings Beach tree inventory are described in Table 2. Proposed project element sites contain a total of 290 conifers. Parking lot designs were developed to minimize the removal of trees < 29" dbh (qty 64) and eliminate the removal of the 91 trees greater than or equal to 29" dbh (LSOGs).

**Table 2 Project Element Tree Inventory Summary**

Project Element # <sup>1</sup>	Tree Quantity	# Cut Trees	LSOG Quantity
1	7	2	3
3	16	3	10
4	7	2	3
5	3	0	2
6	7	3	8
7	2	0	1
8	20	6	7
9	7	7	8
11	77	1	17
14	12	8	3
15	13	3	2
17	11	2	2
18	3	0	0
19	3	3	0
21	6	1	2
22	4	0	3
23	3	1	2
24	1	0	0
25	23	7	10
26	4	1	1
27	8	5	0
29	6	1	1
30	4	0	3
31	1	0	1
32	30	4	0
33	6	0	1
34	6	4	1
<b>TOTAL</b>	<b>290</b>	<b>64</b>	<b>91</b>

<sup>1</sup>Figure 1 illustrates the locations of each project element within the BSA.